

GEOLOGIC DRILL LOG  
ANTAGORDA PROJECT

AG-04  
Coordinate N 7250.96 Direction 0°  
E 701.40 Inclination 90°  
Elevation 460 m Total Depth 220.00m

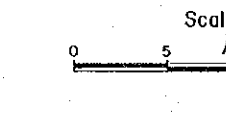
Assays										Depth Symbol		Occurrence			Observations	
Dep. (m)	Lead (%)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	Co (g/t)	MgO (%)	SiO <sub>2</sub> (%)	BaO (%)	Dep. (m)	Str.	Rock	Color	Alt.		Min.
380										380		soil	brn			
530										530		q-grn sch	grn			msv
600										600		q-grn sch	grn			msv
10										10		q-grn sch	grn			fine schistosity and minor folding
150										150		q-grn sch	grn			msv
20										20		q-grn sch	grn			msv
2250										2250		q-grn sch	grn			msv
30										30		q-grn sch	grn			msv
3400										3400		q-grn sch	grn			msv
3425										3425		q-grn sch	grn			msv
3470										3470		q-grn sch	grn			msv
40										40		q-grn sch	grn			msv
4180										4180		q-grn sch	grn			msv
4200										4200		q-grn sch	grn			msv
50										50		q-grn sch	grn			msv
60										60		q-grn sch	grn			msv
6500										6500		q-grn sch	grn			msv
6600										6600		q-grn sch	grn			msv
6700										6700		q-grn sch	grn			msv
70										70		q-grn sch	grn			msv
7400										7400		q-grn sch	grn			msv
7500										7500		q-grn sch	grn			msv
80										80		q-grn sch	grn			msv
8200										8200		q-grn sch	grn			msv
8610										8610		q-grn sch	grn			msv
90										90		q-grn sch	grn			msv
9200										9200		q-grn sch	grn			msv

Assays										Depth Symbol		Occurrence			Observations	
Dep. (m)	Lead (%)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	Co (g/t)	MgO (%)	SiO <sub>2</sub> (%)	BaO (%)	Dep. (m)	Str.	Rock	Color	Alt.		Min.
95.15-96.95	0.03	0.01	190	3.5						95.15-96.95		q-bi sch	grn			msv
96.95-97.15	0.02	1.60	0.46	330	26					96.95-97.15		q-bi sch	grn			msv
97.15-98.15	1.0	2.30	0.20	75	34					97.15-98.15		q-bi sch	grn			msv
98.15-99.80	1.65	0.07	0.03	410	25					98.15-99.80		q-bi sch	grn			msv
99.80-99.90	0.1	0.03	18	200						99.80-99.90		q-bi sch	grn			msv

Assays										Depth Symbol		Occurrence			Observations	
Dep. (m)	Lead (%)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	Co (g/t)	MgO (%)	SiO <sub>2</sub> (%)	BaO (%)	Dep. (m)	Str.	Rock	Color	Alt.		Min.
99.90-200.65	0.75	0.50	0.02	45	4.5					99.90-200.65		q-bi sch	grn			msv
200.65-200.75	0.1	4.50	1.60	30	100					200.65-200.75		q-bi sch	grn			msv
200.75-201.75	1.0	0.03	0.01	50	2					200.75-201.75		q-bi sch	grn			msv

日本国際金属鉱業株式会社  
08819  
ANTAGORDA PROJECT  
Columnar Section  
Perau Area

JAPAN INTERNATIONAL METAL MINING  
Prepared by Bish



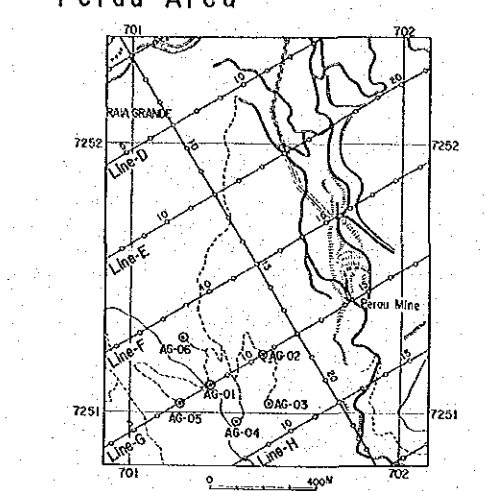
- LEGEND and
- Rock and Mineral
- quartz
  - schist
  - quartz-g
  - schist
  - sericite
  - graphite
  - carbonate
  - amphibole
  - omphacite
  - limestone
  - quartzite
  - Ore, high
  - to
  - diabase
  - sericite
  - biotite
  - quartz
  - calcite
  - ironstone
  - graphite
  - garnet
- Alteration
- hydrothermal
  - kaolinite
  - clay
- Mineralization
- chalcopyrite
  - pyrite
  - galena
  - zincblende
  - sphalerite
  - magnetite
  - oxide
- Color
- light
  - pale
  - dark
  - grey
  - black
  - white
  - brown
  - green
  - red
- Observation
- disseminated
  - irregular
  - veins
  - alternating
  - fine
  - medium
  - coarse
  - crushed
  - massive

AG-04  
 Coordinate N 7250.96 Direction 0°  
 E 701.40 Inclination 90°  
 Elevation 460 m Total Depth 220.00m

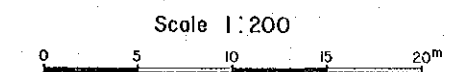
Depth (m)	Occurrence	Observations		
			Rock	Color
0-25	soil rd-brn			
25-45	q-grh se-sch bk	msv		
45-65	q-grh se-sch bk	fa-schistosity and minor folding		
65-85	q-grh se-sch bk			
85-105	q-grh se-sch bk			
105-125	q-grh se-sch bk	silica-rich, int thin amph-sch		
125-145	q-grh se-sch bk	silica-rich well schistosity (2-5mm)		
145-165	q-vs py-po film	q-vs with py-po stringer - vs associated bi-flakes q-vs, amph-aggregation py-po-film along schistosity and in q-vs minor folding		
165-185	q-vs py-po film	fine schistosity int thin grph-layers (E <sub>h</sub> = 2.0mm) col-vs distinct q-vs ers		
185-205	q-vs py-po film	q-vs highly folded structure and int thin layers (1a-1-2mm)		
205-220	q-vs py-po film	small amount of grph folded - fractured structure		
220-240	q-vs py-po film	q-vs (W=1-20cm) distnet		
240-260	q-vs py-po film	alt. of carb-amph-q-bi-sch and amph-sch boudin, fine cleavage col-vs		
260-280	q-vs py-po film	bg-carbonate materials		
280-300	q-vs py-po film	q-vs		
300-320	q-vs py-po film	well schistosity		

Depth (m)	Assays	Depth (m)	Occurrence	Observations				
					Dep. (m)	Lead (%)	Zn (%)	Cu (%)
110		110	q-bi se-sch	silica-rich				
120		120	amph-sch grn-gry	silica-rich				
130		130	q-vs bi-sch	silica-rich, chert col-vs q-vs (W=20cm) with minor folding well schistosity				
140		140	q-vs bi-sch	q-rich q-vs with bi, chl (W=10cm) small fault (45°) with col-vs and minor fold well schistosity int grph-se-sch				
150		150	int grph-se-sch q-vs	int grph-se-sch q-vs				
160		160	int grph-q-se-sch	int grph-q-se-sch				
170		170	q-vs msv	q-vs with bi-silicified material in sheared-N.T.A. zone q-vs msv				
180		180	dk-gry ab-dyke alt of silica-rich se-q-sch (cleril) and amph-sch fn-compact amph	dk-gry ab-dyke alt of silica-rich se-q-sch (cleril) and amph-sch fn-compact amph weakly foliation of pt fn-compact amph				
190		190	co-msv amph	co-msv amph				
200		200	q-se sch	q-se sch				
210		210	q-bi carb-sch	"Magnetite zone"				
220		220	q-bi carb-sch	moor-folding int amph-sch				
230		230	q-bi carb-sch	silica-rich (chert?) "Barite zone" with gl, zb alt of amph-se-carb-sch, Do and q-sch alt of se-Do-sch and se-carb-sch q-diss				

Depth (m)	Assays	Depth (m)	Occurrence	Observations				
					Dep. (m)	Lead (%)	Zn (%)	Cu (%)
199.90-200.05	0.75 0.50 0.02 45 45	200.05-200.15	q-bi se-sch	q-diss				
200.15-200.75	0.1 4.50 1.60 30 100	200.75-201.75	q-bi se-sch					
201.75-201.75	1.0 0.03 0.01 50 2							



JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 MAR. 1984  
 Prepared by Bishimetal Exploration Co., Ltd.



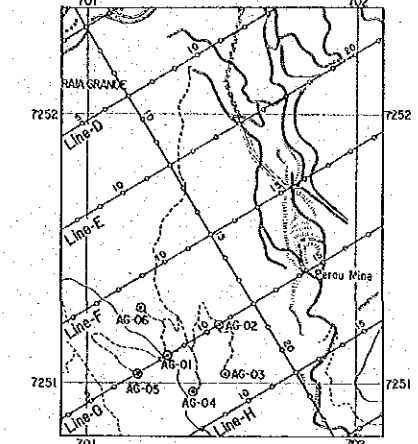
**LEGEND and ABBREVIATION**

<b>Rock and Mineral</b>	quartz-sericite-biotite schist	q-se-bi-sch		
	quartz-graphite-sericite schist	q-grph-se-sch		
	sericite-quartz schist	se-q-sch		
	graphite schist	grph-sch		
	carbonate schist	carb-sch		
	amphibolite	amph		
	amphibole schist	amph-sch		
	limestone/dolomite	Lm/Do		
	quartzite	qt		
<b>Ore, high grade</b>				
<b>low grade</b>				
diabase dyke	db-dyke			
sericite	se	chlorite	chl	
biotite	bi	plegioclase	pl	
quartz	q			
calcite	cal			
tremolite	tr			
graphite	grph			
garnet	ga			
<b>Alteration</b>	hydrothermal alteration	H.T.A	weathered	weo
	kaoline	kao	silicified	sil
	clay	cl	hematite	hm
			limonite	limo
			goethite	goe
<b>Mineralization</b>	chalcopyrite	cp	porphyroblast	por-bl
	pyrite	py		
	pyrrhoite	po		
	galena	gl		
	zincblend or sphalerite	zb		
	magnetite	Mf		
	oxide mineral	ox		
<b>Color</b>	light	l-	yellow	yl
	pale	pk-	olive	ol
	dark	dk-		
	gray	gr-		
	black	bk-		
	white	wh-		
	brown	brn		
	green	grn		
	red	rd		
<b>Observation</b>	dissemination	diss	intercalated	intl
	impregnation	imp	brecciated	bre
	alteration	alt	bearing	bg
	veins	vs		
	fine	fn-		
	medium	m-		
	coarse	co-		
	crushed	crs		
	massive	msv		



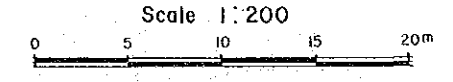
BRAZIL  
GEOLOGICAL SURVEY  
OF  
ANTA GORDA AREA  
PHASE IV

Columnar Section of Core Logs in  
Perau Area



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN

MAR. 1984  
Prepared by Bishimetal Exploration Co., Ltd.



Depth (m)	Symbol	Occurrence					Observations
		Str.	Rock	Color	All.	Min.	
0-110	q-bi-se-sch	grph					well schistosity
110-120	q-bi-se-sch	grph					msv - weakly schistosity
120-130	q-bi-se-sch	grph					msv - weakly schistosity
130-140	q-bi-se-sch	grph					well schistosity
140-150	q-bi-se-sch	grph					fr-msv - weak schistosity
150-160	q-bi-se-sch	grph					partially intl grph-sch
160-170	q-bi-se-sch	grph					weakly schistosity
170-180	q-bi-se-sch	grph					bi-flakes
180-190	q-bi-se-sch	grph					partially thin grph-sch
190-200	q-bi-se-sch	grph					bi-flakes in q-vs
200-210	q-bi-se-sch	grph					py-q-vs
210-220	q-bi-se-sch	grph					intl thin amph-sch
220-230	q-bi-se-sch	grph					bi-se-q-sch
230-240	q-bi-se-sch	grph					intl thin amph-sch
240-250	q-bi-se-sch	grph					intl amph-sch
250-260	q-bi-se-sch	grph					col-vs
260-270	q-bi-se-sch	grph					msv
270-280	q-bi-se-sch	grph					q-vs, msv
280-290	q-bi-se-sch	grph					msv
290-300	q-bi-se-sch	grph					well schistosity
300-310	q-bi-se-sch	grph					well schistosity
310-320	q-bi-se-sch	grph					well schistosity
320-330	q-bi-se-sch	grph					well schistosity
330-340	q-bi-se-sch	grph					well schistosity
340-350	q-bi-se-sch	grph					well schistosity
350-360	q-bi-se-sch	grph					well schistosity
360-370	q-bi-se-sch	grph					well schistosity
370-380	q-bi-se-sch	grph					well schistosity
380-390	q-bi-se-sch	grph					well schistosity
390-400	q-bi-se-sch	grph					well schistosity

Assays										Depth (m)	Symbol	Occurrence	Observations
Dep. (m)	Leq (m)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	Co (%)	MgO (%)	SiO <sub>2</sub> (%)	BaO (%)				
										210	grph	grph	minor folding
										220	grph	grph	msv
										230	grph	grph	msv
										240	grph	grph	intl q-amph-bi-sch
										250	grph	grph	intl thin amph-sch
										260	grph	grph	intl amph-sch
										270	grph	grph	col-vs
										280	grph	grph	msv
										290	grph	grph	q-vs, msv
										300	grph	grph	msv
										310	grph	grph	well schistosity
										320	grph	grph	well schistosity
										330	grph	grph	well schistosity
										340	grph	grph	well schistosity
										350	grph	grph	well schistosity
										360	grph	grph	well schistosity
										370	grph	grph	well schistosity
										380	grph	grph	well schistosity
										390	grph	grph	well schistosity
										400	grph	grph	well schistosity

Assays										Depth (m)	Symbol	Occurrence	Observations
Dep. (m)	Leq (m)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	Co (%)	MgO (%)	SiO <sub>2</sub> (%)	BaO (%)				
										300	grph	grph	msv
										310	grph	grph	msv
										320	grph	grph	chl-amph
										330	grph	grph	foliated-sil-r
										340	grph	grph	highly wea
										350	grph	grph	"clay zone"
										360	grph	grph	chl-se, bre, col-vs
										370	grph	grph	msv
										380	grph	grph	col-vs
										390	grph	grph	bre
										400	grph	grph	crs
										410	grph	grph	intl alt of fr-mica-sch and carb-sch
										420	grph	grph	Ore Horizon qz-bi-py diss in barite
										430	grph	grph	py qz-bi-pyr in barite, q-bi-sch and fr-carb sch
										440	grph	grph	35785-35795, 35820-35835-tr-carb-sch with qz-bi-py
										450	grph	grph	End 361.60 m

**LEGEND and ABBREVIATION**

<b>Rock and Mineral</b>	quartz-sericite-biotite schist	q-se-bi-sch	quartz-graphite-sericite schist	q-grph-se-sch
	sericite-quartz schist	se-q-sch	graphite schist	grph-sch
	carbonate schist	carb-sch	amphibolite	amph
	amphibole schist	amph-sch	limestone/dolomite	Lm/Do
	quartzite	qtz	Ore, high grade	
	low grade		dabase dyke	db-dyke
	sericite	se	chlorite	chl
	biotite	bi	plagioclase	pl
	quartz	q		
	calcite	cal		
	tremolite	tr		
	graphite	grph		
	garnet	grn		
<b>Alteration</b>	hydrothermal alteration	H.T.A	weathered	weo
	kaoline	kaol	silicified	sil
	clay	clay	hematite	hm
			limonite	limo
			goethite	goe
<b>Mineralization</b>	chalcopyrite	cp	porphyroblast	por-bl
	pyrite	py		
	pyrrhotite	po		
	galena	gl		
	zincblend or sphalerite	zb		
	magnetite	Mt		
	oxide mineral	ox		
<b>Color</b>	light	l-	yellow	yl
	pale	p-	olive	ol
	dark	dk-		
	grey	gr-		
	black	bk-		
	white	whl		
	brown	brn		
	green	grn		
	red	rd		
<b>Observation</b>	dissimination	diss	intercalated	intl
	impregnation	imp	brecciated	bre
	alteration	alt	bearing	bg
	veins	vs		
	fine	fn-		
	medium	m-		
	coarse	co-		
	crushed	crs		
	massive	msv		

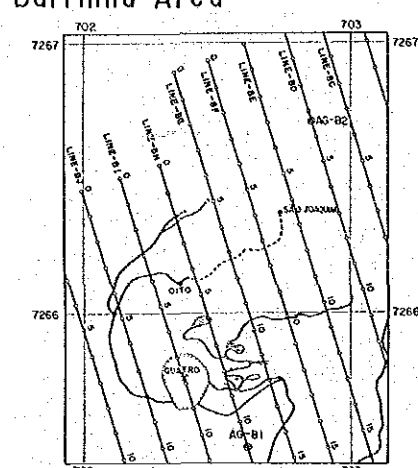
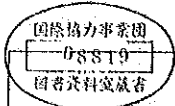




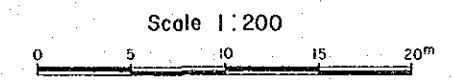




Coordinate N 7265.49  
 Elevation 630 m  
 Direction 90°  
 Inclinatio 90°  
 Total Depth 300.00m



JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 MAR. 1984  
 Prepared by Bishimetal Exploration Co., Ltd.



**LEGEND and ABBREVIATION**

Rock and Mineral	Symbol	Symbol	Symbol
weathered rock or soil (mica schist origin)	wea-r, soil	chlorite	chl
weathered rock or soil (limonite origin)	wea-r, soil	plagioclase	pl
quartz-mica schist	q-mica-sch		
quartz-chlorite schist	q-chl-sch		
mica-quartz schist	mica-q-sch		
carbonate schist	carb-sch		
dolomite	Do		
tremolite schist	tr-sch		
amphibole schist	amph-sch		
graphite schist	grph-sch		
diabase dyke	db-dyke		
hydrothermal altered rock	H.T.A.		
diabase dyke	db-dyke		
sericite	se	chlorite	chl
biotite	bi	plagioclase	pl
quartz	q		
calcite	cal		
tremolite	tr		
graphite	grph		
garnet	ga		
Alteration	Symbol	Symbol	Symbol
hydrothermal alteration	H.T.A.	weathered	wea
kooline	koo	silicified	sil
clay	cl	hematite	hm
		limonite	lmo
		goethite	goe
Mineralization	Symbol	Symbol	Symbol
chalcopyrite	cp	porphyroblast	por-bl
pyrite	py		
pyrrhotite	po		
galena	gl		
zincblend or sphalerite	zb		
magnetite	mt		
oxide mineral	ox		
Color	Symbol	Symbol	Symbol
light	l-	yellow	yl
pale	p-	olive	ol
dark	dk-		
grey	gr-		
black	bk-		
white	wh-		
brown	brn		
green	grn		
red	rd		
Observation	Symbol	Symbol	Symbol
dissemination	diss	intercalated	int
impregnation	imp	brecciated	bre
alteration	alt	bearing	bg
veins	vs		
fine	fn-		
medium	m-		
coarse	co-		
crushed	crs		
massive	msv		

Depth (m)	Core Rec.	Occurrence					Observations
		Str.	Rock	Color	Alt.	Min.	
50		sd-brn	br	OX			partly rd-brn soil
70		sd-brn	br	OX			partly rd-brn soil
100		sd-brn	br	OX			partly rd-brn soil
130		sd-brn	br	OX			partly rd-brn soil
160		sd-brn	br	OX			partly rd-brn soil
190		sd-brn	br	OX			partly rd-brn soil
220		sd-brn	br	OX			partly rd-brn soil
250		sd-brn	br	OX			partly rd-brn soil
280		sd-brn	br	OX			partly rd-brn soil
300		sd-brn	br	OX			partly rd-brn soil

Assays										Depth (m)	Core Rec.	Occurrence					Observations
Dep. (m)	Lev. (m)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	CaO (%)	MgO (%)	SiO <sub>2</sub> (%)	BaO (%)			Str.	Rock	Color	Alt.	Min.	
										50		sd-brn	br	OX			partly rd-brn soil
										100		sd-brn	br	OX			partly rd-brn soil
										150		sd-brn	br	OX			partly rd-brn soil
										200		sd-brn	br	OX			partly rd-brn soil
										250		sd-brn	br	OX			partly rd-brn soil
										300		sd-brn	br	OX			partly rd-brn soil

Assays										Depth (m)	Core Rec.	Occurrence					Observations
Dep. (m)	Lev. (m)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	CaO (%)	MgO (%)	SiO <sub>2</sub> (%)	BaO (%)			Str.	Rock	Color	Alt.	Min.	
										200		sd-brn	br	OX			partly rd-brn soil
										210		sd-brn	br	OX			partly rd-brn soil
										220		sd-brn	br	OX			partly rd-brn soil
										230		sd-brn	br	OX			partly rd-brn soil
										240		sd-brn	br	OX			partly rd-brn soil
										250		sd-brn	br	OX			partly rd-brn soil
										260		sd-brn	br	OX			partly rd-brn soil
										270		sd-brn	br	OX			partly rd-brn soil
										280		sd-brn	br	OX			partly rd-brn soil
										290		sd-brn	br	OX			partly rd-brn soil
										300		sd-brn	br	OX			partly rd-brn soil

END OF HOLE (300.00m)



GEOLOGIC DRILL LOG  
ANTAGORDA PROJECT

Coordinate N 7266.71 Direction 520°E  
E 702.83 Inclination 60°  
Elevation 510 m Total Depth 30000m

AG-B2

国際協力事業団  
USS19  
国産資源調査

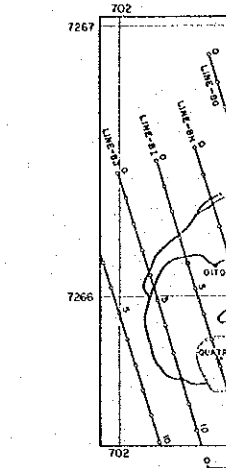
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GEOLOG

Assays										Depth Symbol		Occurrence			Observations	
Dep. (m)	Leg (m)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	Co (%)	Mg (%)	SiO <sub>2</sub> (%)	BaO (%)	Dep. (m)	Str.	Rock	Color	All.		Min.
										300		rd-bn				
										350		soil				
										430		yl-bn				
										755		rd-bn				
										10		dk-bn				
										1170		q-mico sch	OK			
										1460		q-mico sch				
										1620		db-dyke				
										20		zrn-gry				
										2075		q-mico sch				
										2800		zrn-gry				
										30		q-mico sch				
										3930		q-mico sch				
										4000		q-mico sch				
										4420		q-se sch				
										4575		q-se sch				
										50		q-mico sch				
										50		dk-gry				
										60		grph				
										70		q-mico sch				
										7800		grph-q dk-gry				
										8150		q-mico sch				
										8250		q-mico sch				
										8400		grph-q dk-gry				
										8540		q-mico sch				
										90		q-mico sch				
										9100		dk-gry-bk				
										9450		q-mico sch				
										9910		dk-gry-bk				

Assays										Depth Symbol		Occurrence			Observations	
Dep. (m)	Leg (m)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	Co (%)	Mg (%)	SiO <sub>2</sub> (%)	BaO (%)	Dep. (m)	Str.	Rock	Color	All.		Min.
										10400		py				
										110		q-mico sch				
										1120		grph-q dk-gry				
										11820		q-mico sch				
										120		gr-y				
										12280		q-mico sch				
										130		q-mico sch				
										13205		q-mico sch				
										140		q-mico sch				
										14400		grph-q dk-gry				
										14700		q-mico sch				
										150		q-mico sch				
										160		HTA				
										170		q-mico sch				
										180		q-mico sch				
										18510		q-mico sch				
										190		q-mico sch				
										19500		grph-q dk-gry				

Assays										Depth Symbol		Occurrence			Observations	
Dep. (m)	Leg (m)	Pb (%)	Zn (%)	Cu (%)	Ag (g/t)	Co (%)	Mg (%)	SiO <sub>2</sub> (%)	BaO (%)	Dep. (m)	Str.	Rock	Color	All.		Min.
										20070		dk-gry				
										210		q-mico sch				
										220		q-mico sch				
										22790		q-mico sch				
										230		q-mico sch				
										23320		q-mico sch				
										23470		q-mico sch				
										23630		q-mico sch				
										23860		q-mico sch				
										240		q-mico sch				
										24580		q-mico sch				
										24785		q-mico sch				
										250		q-mico sch				
										25700		q-mico sch				
										270		HTA				
										27500		q-mico sch				
										280		q-mico sch				
										28500		q-mico sch				
										290		q-mico sch				
										29800		q-mico sch				

ANTA G  
PH  
Columnar Sec  
Barrinha Arc



JAPAN INTERNATIONAL  
METAL MINING  
Prepared by Bish

Scale  
0 5

**LEGEND and**

Rock and Mineral	weathered mica sch weathered limestone quartz-mica quartz-chal mica-qu carbonate dolomite tremolite amphibole graphite diabase hydrothermal rock diabase sericite biotite quartz calcite tremolite graphite garnet
Alteration	hydrothermal kaolinite clay
Mineralization	chalcopyrite pyrrhotite galena zincblende sphalerite magnetite oxide
Color	light pale dark grey black white brown green red
Observation	disseminated impregnated alternating veins fine medium coarse crushed massive

Coordinate N 7266.71 Direction S20°E  
 E 702.83 Inclination 60°  
 Elevation 510 m Total Depth 300.00m

AG-B2

BRAZIL  
 GEOLOGICAL SURVEY  
 OF  
 ANTA GORDA AREA  
 PHASE IV  
 Columnar Section of Core Logs in  
 Barrinha Area

JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 MAR. 1984  
 Prepared by Bishimet Exploration Co., Ltd.

Scale 1:200

Depth (m)	Occurrence					Observations
	Str.	Rock	Color	All.	Meta.	
0		soil				
10		q-mica-sch				micro-sch origine
20		q-mica-sch				weo crs cut with botwork schistosity (5°) of N cross stream (40°) crs
30		q-mica-sch				init q-sch-qt py-vs with botwork fine schistosity distinct
40		q-mica-sch				fine schistosity, micro folding
50		q-mica-sch				q-py-vs schistosity and bedding are crossing (Z40°)
60		q-mica-sch				schistosity and bedding are parallel py-col-vs minor folding
70		q-mica-sch				init thin layer of grph-q-mica-sch micro folding schistosity (Z20°), bedding (Z10°)
80		q-mica-sch				init q-mica-sch, dk-gry-bk db-dyke (W=10cm)
90		q-mica-sch				init q-mica-sch py-q-cal-network
100		q-mica-sch				dk-gry-bk folded grph-q-mica-sch
110		q-mica-sch				folded grph-q-mica-sch

Depth (m)	Assays										Depth (m)	Occurrence					Observations
	Dep. (m)	Lead (%)	Zn (%)	Cu (%)	Ag (g/t)	CoO (%)	MgO (%)	SiO2 (%)	BaO (%)	Dep. (m)		Str.	Rock	Color	All.	Min.	
100											100		q-mica-sch				init q-mica-sch
110											110		q-mica-sch				minor folding schistosity (Z20°), bedding (Z45°-80°)
120											120		q-mica-sch				q-vs init q-mica-sch
130											130		q-mica-sch				minor folding q-py-vs schistosity (Z30°), bedding (Z60°)
140											140		q-mica-sch				msv grph-q-mica-sch
150											150		q-mica-sch				minor folding partially init q-mica-sch
160											160		q-mica-sch				msv col-py-vs init dk-gry grph-q-mica-sch
170											170		q-mica-sch				col-py-vs init dk-gry grph-q-mica-sch
180											180		q-mica-sch				weakly schistosity and bedding
190											190		q-mica-sch				init dk-gry grph-q-mica-sch
200											200		q-mica-sch				bedding (Z50°), schistosity (Z15°) init q-mica-sch
210											210		q-mica-sch				init q-mica-sch

Depth (m)	Assays										Depth (m)	Occurrence					Observations
	Dep. (m)	Lead (%)	Zn (%)	Cu (%)	Ag (g/t)	CoO (%)	MgO (%)	SiO2 (%)	BaO (%)	Dep. (m)		Str.	Rock	Color	All.	Min.	
210											210		q-mica-sch				weak foliation with py-film crs minor folding
220											220		q-mica-sch				schistosity (Z35°), bedding (Z10°)
230											230		q-mica-sch				py-col-vs fa-compact facies m-halocrystalline gabbroic facies
240											240		q-mica-sch				schistosity (Z35°), bedding (Z10°)
250											250		q-mica-sch				msv init q-mica-sch
260											260		q-mica-sch				col-py-vs schistosity (Z35°), bedding (Z10°)
270											270		q-mica-sch				col-py-vs init q-mica-sch
280											280		q-mica-sch				col-py-vs I-gry altered dk-dyke (syenite?) py-vs (W=20cm)
290											290		q-mica-sch				col-py-vs banded structure partially init thin q-mica-sch
300											300		q-mica-sch				minor folding

**LEGEND and ABBREVIATION**

<b>Rock and Mineral</b>	weathered rock or soil (micro schist origin)	wea-r, soil	
	weathered rock or soil (limonite origin)	weo-r, soil	
	quartz-mica schist	q-mica-sch	
	quartz-dolomite schist	q-dol-sch	
	mica-quartz schist	mica-q-sch	
	carbonate schist	carb-sch	
	dolomite	Do	
	tremolite schist	tr-sch	
	amphibole schist	amph-sch	
	graphite schist	grph-sch	
	diabase dyke	db-dyke	
	hydrothermal altered rock	H.T.A.	
	diabase dyke	db-dyke	
	sericite	se	chlorite
	biotite	bi	plagioclase
	quartz	q	
	calcite	cal	
	tremolite	tr	
	graphite	grph	
	garnet	ga	
<b>Alteration</b>	hydrothermal alteration	H.T.A.	weathered
	kaoline	kao	silicified
	clay	clay	hematite
<b>Mineralization</b>	chalcocopyrite	cp	limonite
	pyrrhotite	py	goethite
	galena	po	porphyroblast
	zincblend or sphalerite	zb	por-bl
	magnetite	Mt	
	oxide mineral	ox	
<b>Color</b>	light	l-	yellow
	pale	p-	olive
	dark	dk-	
	grey	gr-	
	black	bk-	
	white	wh-	
	brown	brn	
	green	grn	
	red	rd	
<b>Observation</b>	dissemination	diss	intercalated
	impregnation	imp	brecciated
	veins	vs	bearing
	fine	fn-	
	medium	m-	
	coarse	co-	
	crushed	crs	
	massive	msv	

